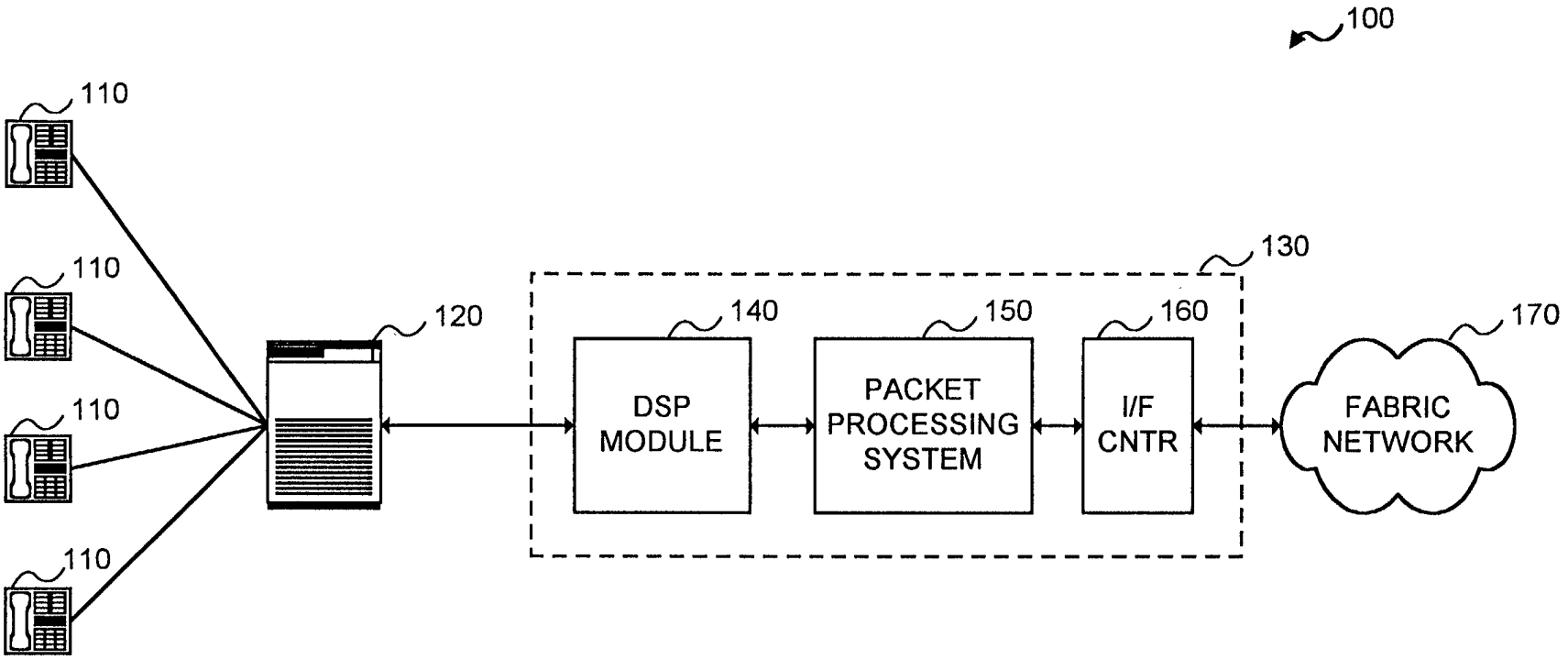
100
110
110
110
110
120
130
140
150
160
170
DSP MODULE
PACKET PROCESSING SYSTEM
I/F CNTR
FABRIC NETWORK

FIGURE 1

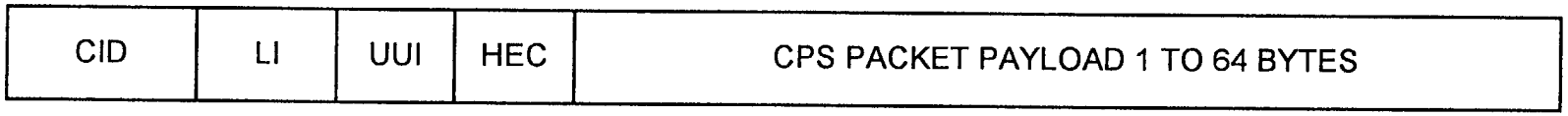

FIGURE 2

FIGURE 3A

FIGURE 3B

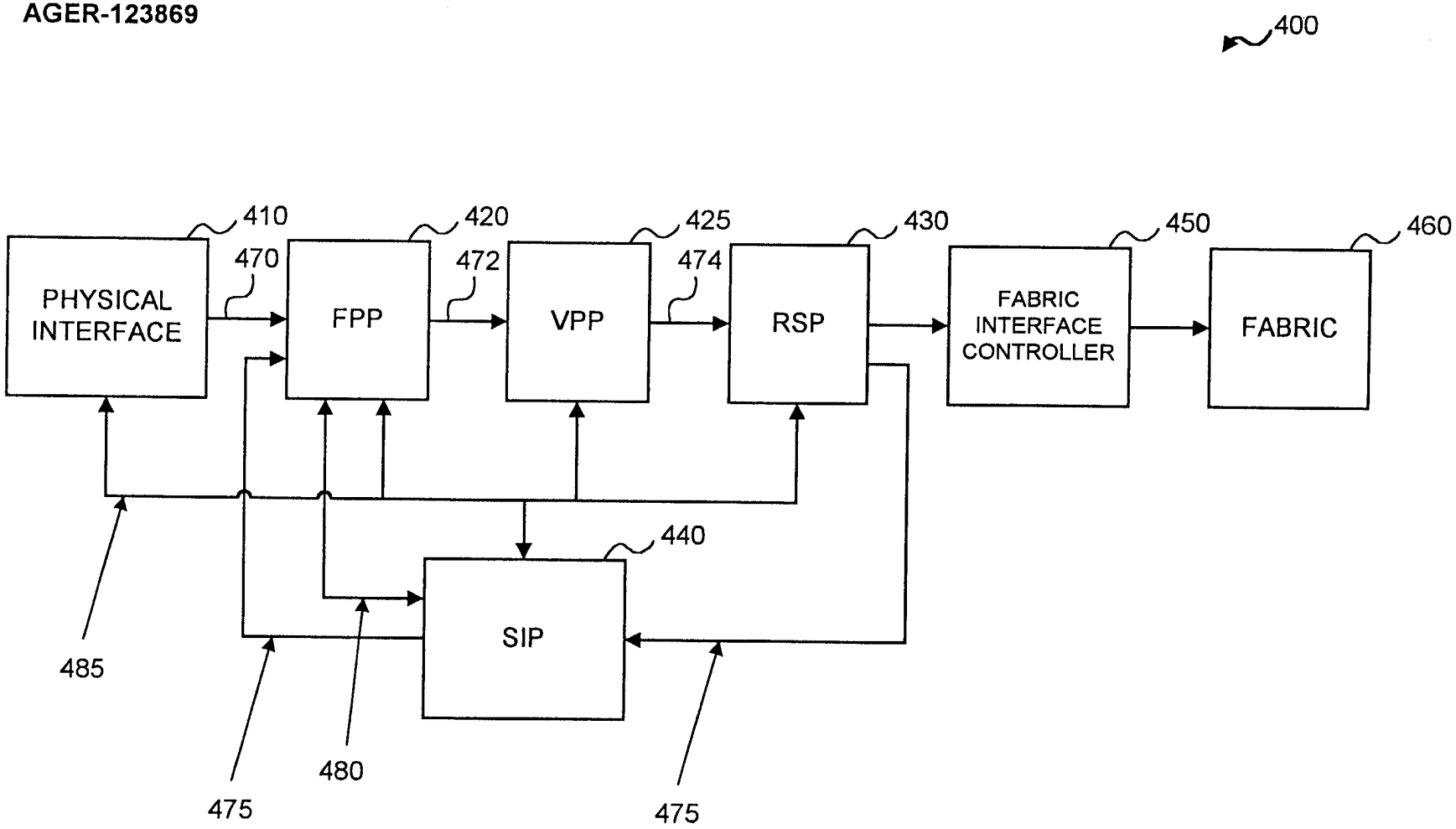
400
410
420
425
430
450
460
PHYSICAL INTERFACE
470
FPP
472
VPP
474
RSP
FABRIC INTERFACE CONTROLLER
FABRIC
440
SIP
485
475
480
475

FIGURE 4

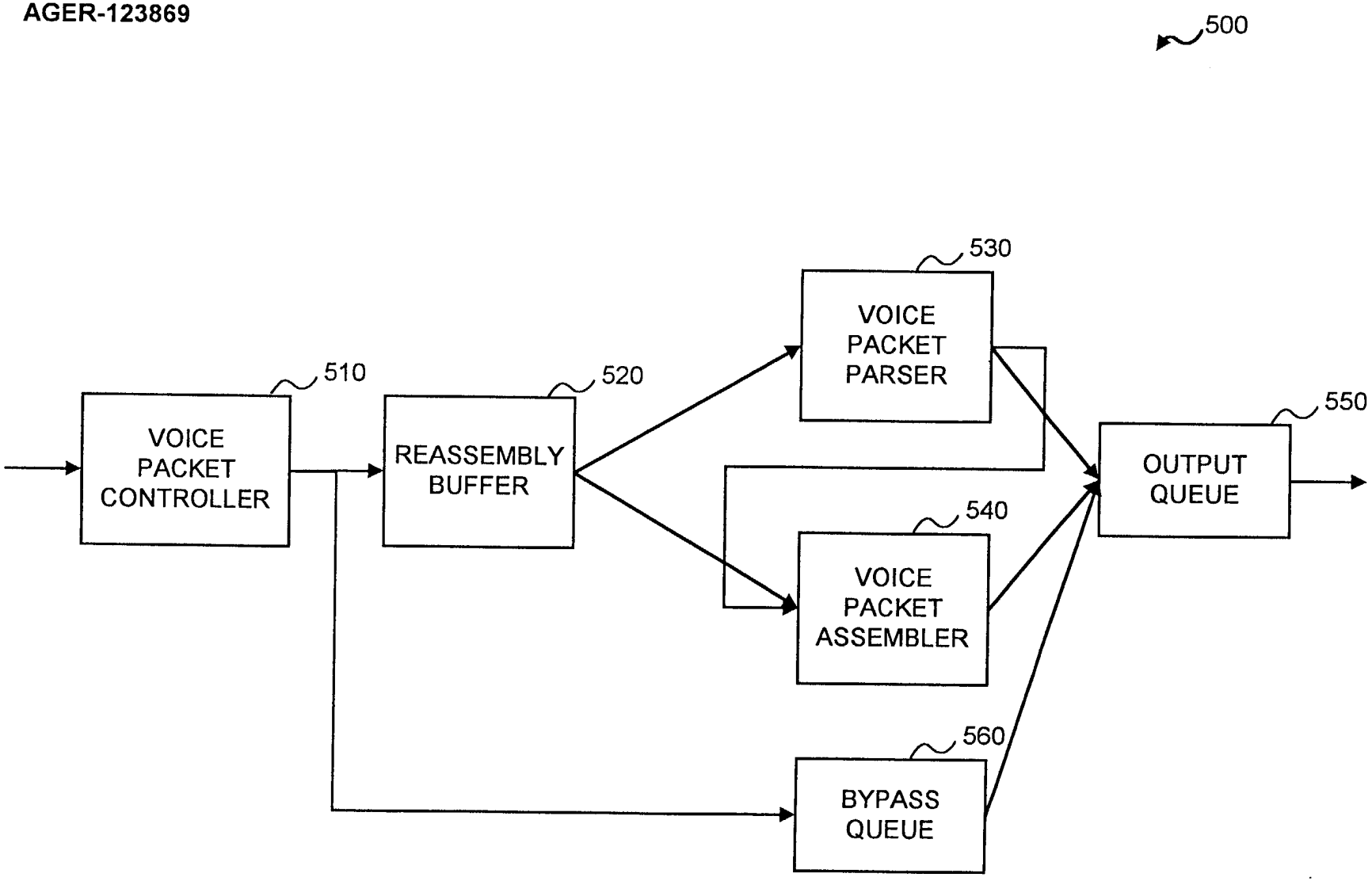
500
VOICE PACKET CONTROLLER
510
REASSEMBLY BUFFER
520
VOICE PACKET PARSER
530
VOICE PACKET ASSEMBLER
540
BYPASS QUEUE
560
OUTPUT QUEUE
550

FIGURE 5

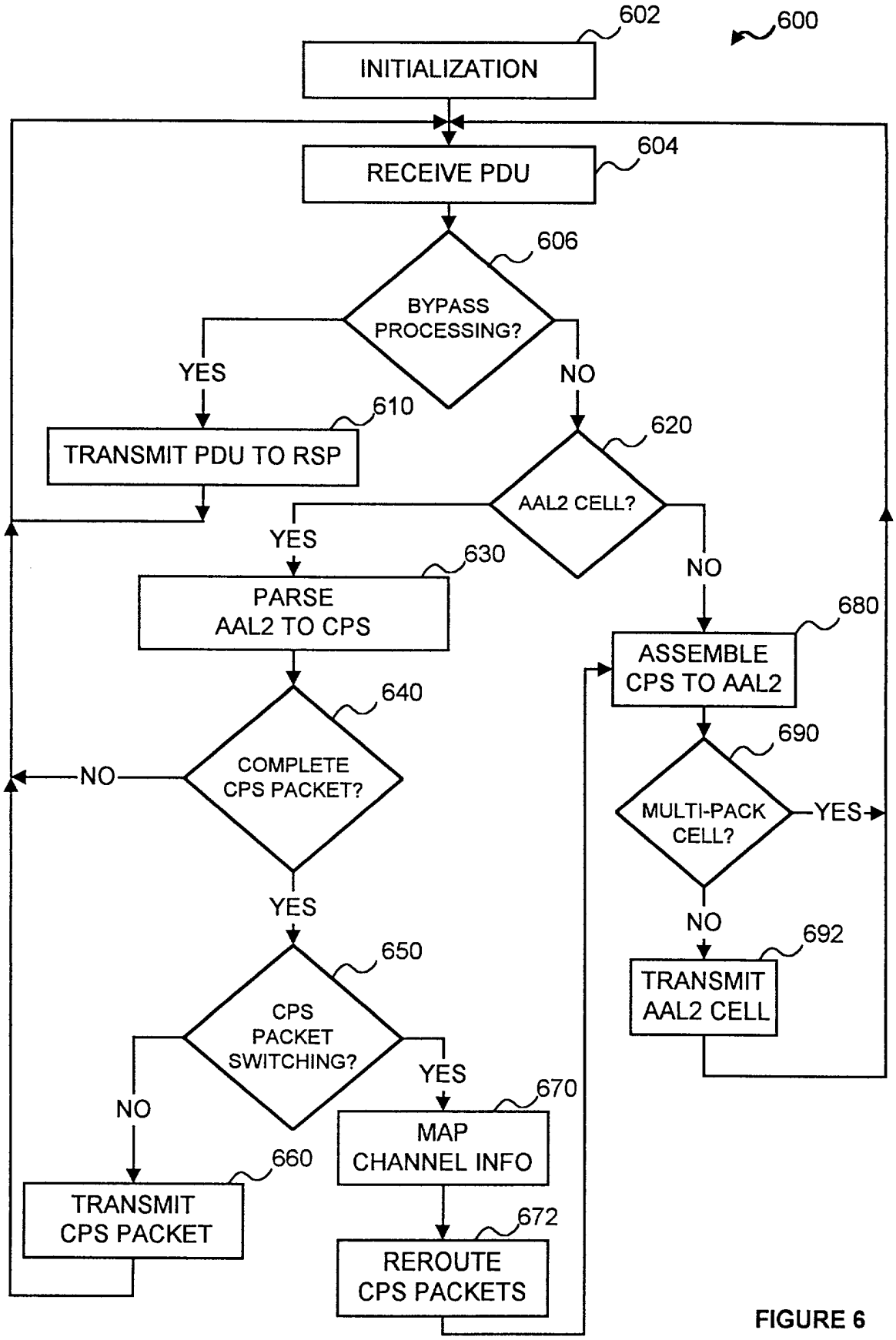
600
602
INITIALIZATION
604
RECEIVE PDU
606
BYPASS PROCESSING?
YES
NO
610
TRANSMIT PDU TO RSP
620
AAL2 CELL?
YES
NO
630
PARSE AAL2 TO CPS
640
COMPLETE CPS PACKET?
NO
YES
650
CPS PACKET SWITCHING?
NO
YES
660
TRANSMIT CPS PACKET
670
MAP CHANNEL INFO
672
REROUTE CPS PACKETS
680
ASSEMBLE CPS TO AAL2
690
MULTI-PACK CELL?
YES
NO
692
TRANSMIT AAL2 CELL

FIGURE 6